REMARKS

Claims 1-6, 8, 10, 12-22, 25, 27-29, 31, 33-41, 44 and 45 were pending and presented for examination in this application. In an Office Action dated September 11, 2009, claims 1-6, 8, 10, 12-22, 25, 27-29, 31, 33-41, 44 and 45 were rejected. Applicants thank the Examiner for examination of the claims pending in this application and address the Examiner's comments below. Based on the above Amendment and the following Remarks, Applicants respectfully request that the Examiner reconsider all outstanding rejections, and withdraw them.

Summary of Interview

Applicants thank Examiner Stevens for his time in conducting a telephone interview on October 27, 2009. During the telephone interview, Applicants' representatives Greg Sueoka and Puneet Sarna discussed proposed claim amendment to overcome the §103 rejections. During the interview, the Examiner indicated that the discussed amendment, included in the amendment made herein, is likely to overcome these rejections.

Response to Rejection Under 35 U.S.C. §103(a)

Claims 1-6, 8, 10, 12-22, 25, 27, 31, 33-41 and 44-45 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Scott R. Klemmer, et al. ("Books With Voices: Paper Transcripts as a Tangible Interface to Oral Histories", CHI 2003, Fort Lauderdale, FL, Apr. 5-10, 2003, pp. 89-96) in view of Graham, et al. (US Patent No.6,369,811) and Lowitz, et al. (US Patent No. 5,485,554). Claims 28-29 are rejected under 35 U.S.C. § l03(a) as being unpatentable over Klemmer, Lowitz and Ponceleon, et al. (US Patent Pub. No. 2003/0187642). Applicants respectfully traverse these rejections as applied to the amended claims.

Claim 1, as amended, partly recites:

a feature extraction module for:
extracting, using a feature extraction technique, features from the time-based media, the feature extraction technique specified by a document format specification file; and
generating a media representation of the time-based media that represents the extracted features, the media representation including a waveform representing the time based media including the extracted features, a corresponding timeline and a plurality of user-selectable identifiers indicating locations on the timeline corresponding to the extracted features;
a formatting module communicatively coupled to the feature extraction module, the formatting module for:
formatting the media representation according to layout parameters specified by the document format specification file; and
a printer communicatively coupled to the formatting module, the printer for:
printing the formatted media representation, wherein each of the plurality of user-selectable identifiers in the formatted media representation can be selected to access a corresponding part of the time-based media.

The claimed invention therefore provides a feature extraction module for extracting features from time-based media and generating a media representation of the extracted features. The generated media representation includes a waveform representing the time based media including the extracted features, a timeline corresponding to the waveform and user-selectable identifiers indicating locations on the timeline corresponding to the extracted features. The generated media representation is transmitted to a formatting module that formats the media representation according to specified layout parameters. The formatted representation is then printed by a printer wherein the user-selectable identifiers in the formatted media representation can be selected to access a corresponding part of the time-based media representation. In this manner, the invention beneficially provides a printed representation of time based media with a corresponding timeline and markers for extracted features. A user can look at the printed representation and determine wherein the timeline a certain feature occurred.

The cited references, considered individually or together, do not disclose "generating a media representation of the time-based media … **including a waveform** representing the time based media **including the extracted features**, a corresponding timeline and a plurality of **user-selectable identifiers indicating locations on the timeline** corresponding to the extracted features."

Klemmer discloses producing a written transcript of conversation in a video interview. The written text in the transcript is augmented with bar codes enabling access to the video interview. These bar codes are placed next to beginning of paragraphs of the written text. Additionally, the written transcript includes time-code information in the header and footer of the written transcript.

Klemmer does not disclose generating a media representation of time-based media including a waveform because Klemmer produces written transcripts and not a waveform representing time-based media. Again, the claimed invention enables a user to view the printed representation of time based media and enables a user to determine wherein the representation a particular feature occurred. A waveform representation, unlike textual representation, enables such convenient viewing because certain features are more easily detected in a waveform instead of text. For example, the pitch in audio media is better detected in a waveform than text. Textual representation in Klemmer does not include such a waveform and therefore Klemmer does not disclose "generating a media representation of the time-based media … **including a waveform** representing the time based media."

Klemmer also does not disclose generating a media representation with user selectable identifiers indicating locations on a timeline. The Examiner asserts that the written text in Klemmer is derived from a time-stamped transcript and the text is laid out in chronological order with bar codes. The written transcript also includes time-code information in the header of the

transcript. According to the Examiner, the time code in the header or the bar codes next to the written text disclose user selectable identifiers indicating locations on a timeline. However, the text with barcode on one side and a time code in the header would not convey to a user without prior knowledge that the text is in chronological order. A user looking at a page with a time code on top may infer that the time code is the publication date and time or some other piece of information. Additionally, although the text is derived from time-stamped transcript, a user would have to know that beforehand for the user to determine that the text is in chronological order. Accordingly, a user looking at a page of text with a time-code in the header and bar codes in the margin would not interpret the text as a time line. Because a user would not interpret the text as a time line, the user would not interpret the barcodes next to the text as identifiers indicating locations on a timeline. Therefore, Klemmer does not disclose "generating a media representation of the time-based media … including a waveform …, a corresponding timeline and a plurality of **user-selectable identifiers indicating locations on the timeline**."

In sum, Klemmer does not disclose the above mentioned limitations of claim 1. The Examiner does not allege that Graham, Lowitz or Ponceleon remedy the above mentioned deficiencies of Klemmer. Accordingly, claim 1 is patentable over Klemmer, Graham, Lowitz and Ponceleon. Independent claim 25 is patentable over the above mentioned references for similar reasons. Claims 2-6, 8, 10 and 12-22 depend from claim 1, and claims 27-29, 31, 33-41 and 44-45 depend from claim 25. These dependent claims include the limitations of their independent claims and are also patentable over the cited references for at least the same reasons.

Allowance of all claims is requested. In addition, Applicants respectfully invite the Examiner to contact Applicants' representative at the number provided below if the Examiner believes it will help expedite furtherance of this application.

Respectfully submitted,
JONATHAN J. HULL, ET AL.

Dated December 9, 2009

/Greg T. Sueoka/

:

Greg T. Sueoka, Reg. No. 33,800
Attorney for Applicants
Fenwick & West LLP
Silicon Valley Center
801 California Street
Mountain View, CA 94041
Tel.: (650) 335-7194
Fax: (650) 938-5200

20412/08497/DOCS/2129789.1